

Programmable DC Power Supplies

GW INSTEK



PSM-Series

- Up to 200W Output Power.
- Dual Range.
- Remote Sensing Terminals.
- GPIB with LabView Driver.

		PSM-2010	PSM-3004	PSM-6003
DC Output		0~8V/20A 0~20V/10A	0~15V/7A 0~30V/4A	0~30V/6A 0~60V/3.3A
Constant Voltage Operation	Regulation + (% of output + offset)	Load Regulation $\leq 0.01\% + 2\text{mV}$ Line Regulation $\leq 0.01\% + 2\text{mV}$		
	Ripple & Noise	350 $\mu\text{Vrms}/3\text{mVpp}$	350 $\mu\text{Vrms}/2\text{mVpp}$	<50V: <500 $\mu\text{Vrms}/3\text{mVpp}$ >50V: < 1 $\mu\text{Vrms}/3\text{mVpp}$
Constant Current Operation	Regulation + (% of output + offset) Ripple & Noise	Load Regulation $\leq 0.01\% + 250\mu\text{A}$ Line Regulation $\leq 0.01\% + 250\mu\text{A}$ <2mArms		
Resolution – Programming	Voltage Current	1mV 1mA	1mV 0.5mA	2mV 0.5mA
Resolution – Readback	Voltage Current	0.5mV 1mA	0.5mV 0.1mA	1mV 0.5mA
Resolution – Meter	Voltage Current OVP/OCP	1mV 1mA (< 10A), 10mA ($\geq 10\text{A}$) 10mV, 10mA		
Accuracy – Programming	Voltage Current	0.05% + 10mV 0.2% + 10mA		
Accuracy – Readback	Voltage Current	0.05% + 5mV 0.15% + 5mA		
Accuracy – OVP/OCP	Voltage Current	0.1% + 10mV 0.4% + 10mA		
Response Time (resistive load - full load)	Voltage Up	95ms	50ms	80ms
	Voltage Down	30ms	45ms	30ms
Memory		Store/recall points 0 ~ 99		
Power Source		AC 100V / 120V / 220V $\pm 10\%$, 230V + 10% - 6% + 10%, 50/60Hz		
Interface		RS-232C (Standard), GPIB (Option)		
Accessories		Power Cord x 1, Instruction Manual x 1		
Dimensions		230mm (W) x 140mm (H) x 380mm (D)		
Weight		10kg		

ORDERING INFORMATION

PSM-2010	200W Single Output, Prog. Power Supply.	PSM-6003	200W Single Output, Prog. Power Supply.
PSM-3004	120W Single Output, Prog. Power Supply.		
GRA-407	19", 4U Rack Mounting x 1.	GTL-232	RS-232 Cable x 1.

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